Appendix A

Exclusion Export

3   **Main Script:**

4   *Name*

5   exclude_export_script

6   *Command Line Parameters*

7   None

8   *Exit Parameters*

9   0 on Success

10   -1 on Failure

11   *Input Files*

12   None

13   *Input Tables*

14   Control Table (see Database Table Schema Spec)

15   *Output Files*

16   None

17   *Output Tables*

18   None

19   *Temporary Files*

20   None

21   *Temporary Tables*

22   None

23   *Other Outputs*

24   System Messages : The $TRS/bin/logm program will be

1   used to log actions to System Messages.

2   *Variables*

3   Tables Array : array of exclusion tables to be

4   exported

5   LastRecNum : integer : holds the value from the

6   last_copied_num field of the Control Table for the current

7   exclusion table.

8   LastDate : character string : holds the value from

9   the last_copied_date field of the Control Table for the

10   current exclusion table.

11

12   *Process Flow*

13   Write "Exclusion Export Started" to System Messages

14   Read Control Table to get list of exclusion tables

15   that need to be copied to other dialers. Place the list into

16   the Tables Array

17   For each table in Tables Array

18   Fill the LastRecNum and LastDate fields from the

19   Control Table for the current table.

20   Write "Exporting <current table in Tables Array>"

21   to System Messages

22   If a record exists in the table with a RECNUM of

23   LastRecNum and a date of LastDate then

24   Execute the Export Script passing the name of

the current table in the Tables Array and LastRecNum as parameters

        else

            Execute the Export Script passing the name of the current table in the tables Array and zero (0) as parameters

        After all tables have been exported write "Exports finished, copying to remote dialers" to System Messages

        Run the FTP script.

        Write "Exclusion Export Finished" to System Messages

Export Script:

    Name

        exclude_export_table_script

    Command Line Parameters

        Exclusion Table Name : character : Name of table in ccr database to be copied to file.

            Will be of format "exc_<APPLICATION NAME>_<FIELD NAME>" (e.g. exc_TRACKER_ACCOUNT_NUM)

        LastRecordNumber : integer : stores the record number of the last record that was copied

    Exit Parameters

        0 on Success

        -1 on Failure

Input Files

?? : The site ID needs to be read from the system info file, or where ever else it can be gotten from.

Input Tables

Exclusion Table Name table : This table will be the source of the records that will be added to the Export File.

Output Files

Export File : ASCII : File which contains the newest exclusion records that were added to the Exclusion Table specified in the Exclusion Table Name command line parameter.

Details:

The file will be named exc_<ThisSiteID>_<Exclusion Table Name>_<MMDDHHMM>.txt.

This file will be placed in the $RCS/exclude_export directory.

Header Record of format "-HEADER ApplicationName FieldName" where the Application Name and Field Name are extracted from the Exclusion Table Name command line parameter.

The values from the FieldName column of the Exclusion Table Name table will be placed one record per line in the rest of the file.

Output Tables

Control Table : The Last Copied Number and Last

Copied Date fields will be updated with the values from the Record Number field and Date field of the last record to be placed into the Export File.

Temporary Files

None

Temporary Tables

Exclusion Export Temp Table : netexc_temp : This table will be used to extract the records from the Exclusion Table Name table before copying to the Export File.

Other Outputs

System Messages : The $TRS/bin/logm program will be used to log actions to System Messages.

Variables

None

Process Flow

Clear the temporary table named netexc_temp

Insert records from <Exclusion Table Name> table with Record Number greater than LastRecordNumber and status not equal to 99 into the temp table.

Copy the records from the temp table to the Export File.

FTP Script:

1   *Name*

2   exclude_export_ftp_script

3   *Command Line Parameters:*

4   None

5   *Exit Parameters*

6   0 on Success

7   -1 on Failure

8   *Input Files*

9   All files in the $RCS/exclude_export directory.

10   *Input Tables*

11   Dialer Control Table (see Database Schema Spec) : The

12   list of dialers will be used to determine to which dialers

13   the Input Files should be sent.

14   *Output Files*

15   All Input Files will be copied to other dialers.

16   *Output Tables*

17   Dialer Control Table : The Last Sent field will be

18   updated with the current date for each dialer that is sent

19   the Input Files.

20   *Temporary Files*

21   temp_exclude_ftp.scr : ASCII : This file will be

22   rebuilt for each dialer that should receive the Input Files

23   and passed to the FTP program for execution.

24   *Temporary Tables*

1   None

2   *Other Outputs*

3   System Messages : The $TRS/bin/logm program will be

4   used to log actions to System Messages.

5   *Variables*

6   IPAdds array : character : holds the IP addresses of

7   the remote dialers.

8

9   *Process Flow*

10   Add the IP Addresses from the Dialer Control Table to

11   the IPAdds array.

12   For each IP Address in the IPAdds array

13   Create a new Temporary File

14   Add an open statement with the current IP Address

15   from the IPAdds array to the Temporary File

16   Add a login id and a password

17   Add a statement to turn off prompting

18   Add an input statement to put all of the Input

19   Files in the $RCS/exclude_files directory on the remote

20   dialer.

21   Add a close statement.

22   Run the FTP program passing the name of the

23   temporary file as the script parameter

24   Update the Dialer Control Table Last Sent field

34

1   with the current date for the current dialer

2

3   **Exclusion Import**

4   **Search Script:**

5   *Name*

6   . down_user_exclusion

7   *Command Line Parameters*

8   None

9   *Exit Parameters*

10   0 on Success

11   -1 on Failure

12   *Input Files*

13   All files in the $RCS/exclude_files

14   *Input Tables*

15   None

16   *Output Files*

17   Files   in $RCS/exclude_files   will   be   copied   to

18   down.X.<date> one at a time

19   *Output Tables*

20   None

21   *Temporary Files*

22   None

23   *Temporary Tables*

24   None

1   *Other Outputs*

2   System Messages : The $TRS/bin/logm program will be

3   used to log actions to System Messages.

4   *Variables*

5   Files array : character : This array will hold the

6   names of the Input Files.

7

8   *Process Flow*

9   Fill the Files array with the names of the Input

10   Files.

11   For each file in the Files array

12   Get the size of the file

13   Wait 15 seconds

14   If the file size changes skip this file and try

15   it again after checking the other files.

16   If the file size didn't change

17   Copy the file to the Output File

18   Run the Import Script passing the Output File

19   name as a parameter

20

21   **Import Script:**

22   *Name*

23   down_exclusion_script

24   *Command Line Parameters*

1   Input File Name : character : This will hold the name

2   of the file that should be imported.

3   *Exit Parameters*

4   0 on Success

5   -1 on Failure

6   *Input Files*

7   The Input File Name passed as a command line

8   parameter.

9   Will have a header formatted like: "-HEADER

10   <APPLICATION NAME><FIELD NAME>"

11   Each line after the header will have a value that

12 should be placed in the Field Name field of the Output Table,

13 one per record.

14   *Input Tables*

15   None

16   *Output Files*

17   None

18   *Output Tables*

19   The exclusion table, exc_<APPLICATION NAME>_<FIELD

20 NAME> specified in the header of the Input File.

21   *Temporary Files*

22   None

23   *Temporary Tables*

24   tmp_<APPLICATION NAME>_<FIELD NAME> : This will be

created from the header of the Input File.   See the Database Table Schema Spec for more details.

Other Outputs

System Messages : The $TRS/bin/logm program will be used to log actions to System Messages.

Variables

AppName : character : Will store the name of the application determined from the header of the Input File

FieldName : character : Will store the name of the field determined from the header of the Input File

Process Flow

Read Header of Input File and place Application Name is AppName and Field Name in FieldName.

Create the temporary table.

Copy the data from the Input File into the Temporary Table.

Insert the data from the Temporary Table into the Output Table.   Set the status field for inserted records to 99.

Notify the Unison system that the exclusion tables have changed.